

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/KR 2004/003175

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC <sup>7</sup> : H04B 7/26, H04L 1/18, 12/26, H04Q 7/30, H04L 12/56 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC <sup>7</sup> : H04B 7/26, H04Q 7/30, H04L 1/18, 12/26, 12/56 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched ---		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, PAJ, WPI		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 248 417 A2 (SAMSUNG ELECTRONICS CO., LTD) 9 October 2002 (09.10.2002) <i>abstract, [0047] - [0062], claims, figures 1-3f.</i>	1
A	EP 1 244 240 A2 (LG ELECTRONICS INC.) 25 September 2002 (25.09.2002) <i>abstract, [0095] - [0148], claims, figures 1-9.</i>	1, 8
A	EP 1 156 617 A1 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 21 November 2001 (21.11.2001) <i>abstract, claims, figure 5.</i>	1
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 25 May 2005 (25.05.2005)		Date of mailing of the international search report 9 June 2005 (09.06.2005)
Name and mailing address of the ISA/ AT <b>Austrian Patent Office</b> Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535		Authorized officer ERBER H. Telephone No. +43 / 1 / 534 24 / 410

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/0125037 A1 (BEOM-SIK BAE et al.) 3 July 2003 (03.07.2003) <i>abstract, claims, figures 1, 2.</i>  --	1
A	US 2003/0039267 A1 (CHANG-HOI KOO et al.) 27 February 2003 (27.02.2003) <i>abstract, claims, figure 2.</i>  --	1
A	US 2002/0015388 A1 (DAE-GYUN KIM et al.) 7 February 2002 (07.02.2002) <i>abstract, [0003] - [0033], figure 3.</i>  --	1
A	US 2002/0136286 A1 (CHANG-HOI KOO) 26 September 2002 (26.09.2002) <i>abstract, claims, figure 3.</i>  ----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/KR 2004/003175

Patent document cited in search report			Publication date		Patent family member(s)	Publication date
EP	A	1156617			US A1 2004062222	2004-04-01
					JP A 2004007686	2004-01-08
					US A1 2001055290	2001-12-27
					CN A 1323123	2001-11-21
					CA A1 2348137	2001-11-17
					JP A 2001358699	2001-12-26
EP	A2	1244240	2002-09-25		US A1 2005058154	2005-03-17
					CN A 1376000	2002-10-23
					US A1 2002176362	2002-11-28
					KR A 2003021937	2003-03-15
					KR A 2002074739	2002-10-04
EP	A	1248417			CN A 1461538	2003-12-10
					RU C2 2237365	2004-09-27
					US A1 2002181410	2002-12-05
					WO A1 02080406	2002-10-10
					JP T 2004528769T	2004-09-16
					CA A1 2408161	2002-10-10
US	A	20020015 388			none	
US	A	20020136 286			none	
US	A	20030039 267			none	
US	A	20030125 037			none	